

s)
$$I_5 = I$$

7)
$$I_{L} = V_{RS}/R_S$$

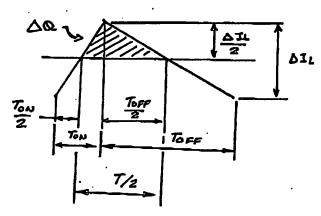
15)
$$I_{L}(4) = \frac{1}{L} \int V_{L}(4) dt$$

16)
$$I_L = \frac{V_L}{L} t = \frac{V_A - V_H}{l} t$$

17)
$$I_L = \frac{V_{DC} - V_S - V_{\Pi}}{L} \neq$$

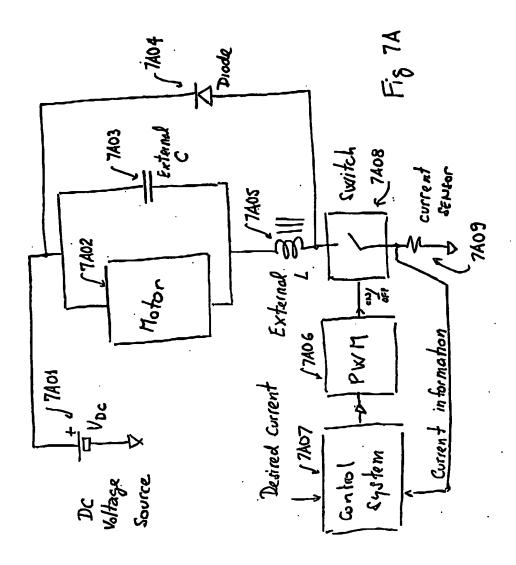
$$\frac{V_{DC}-V_{S}-V_{PI}}{L} T_{DN} = \frac{V_{PI}+V_{FO}}{L} T_{OFF}$$

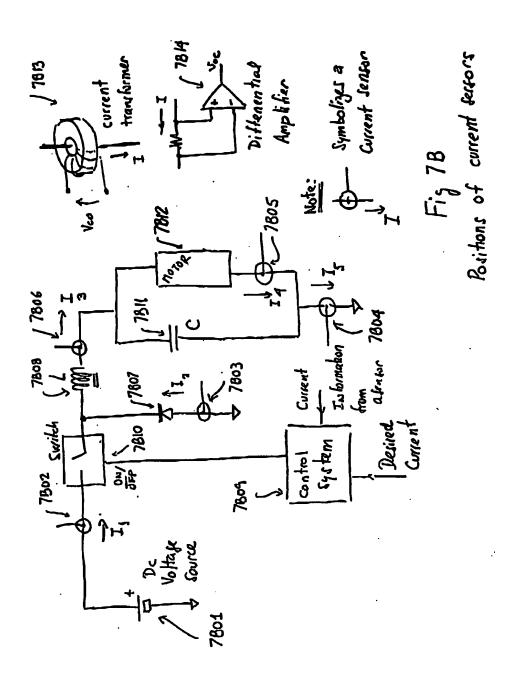
$$V_{H} \cong V_{DC} \frac{T_{ON}}{T_{ON} + T_{OFF}} = V_{DC} \frac{T_{ON}}{T}$$



$$\Delta Q = \frac{1}{2} \cdot \frac{T}{2} \cdot \frac{\Delta I}{2}$$

$$24) \quad \Delta V_{c_e} = \frac{\Delta Q}{C} = \frac{\Delta I_L}{f \, 8 \, C}$$





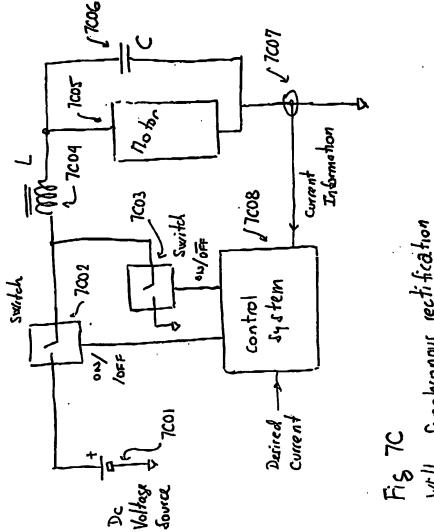
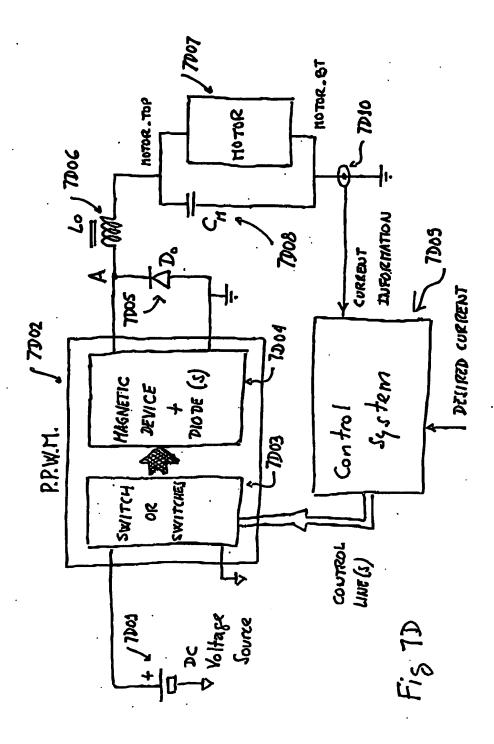
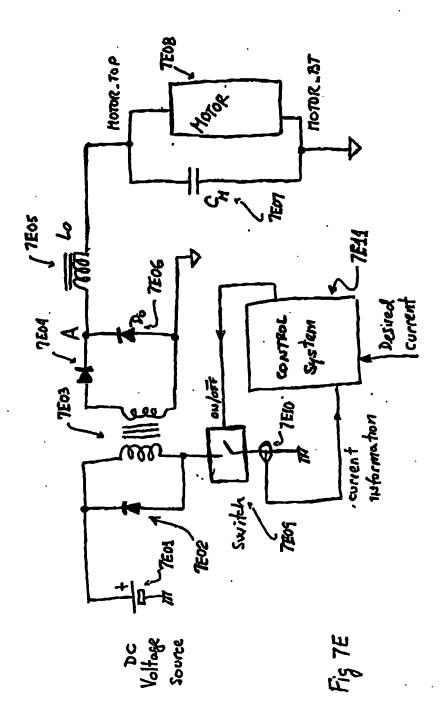
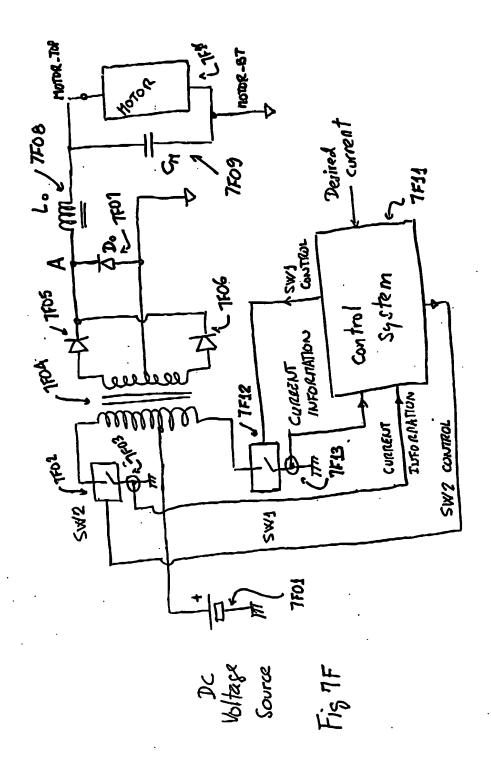
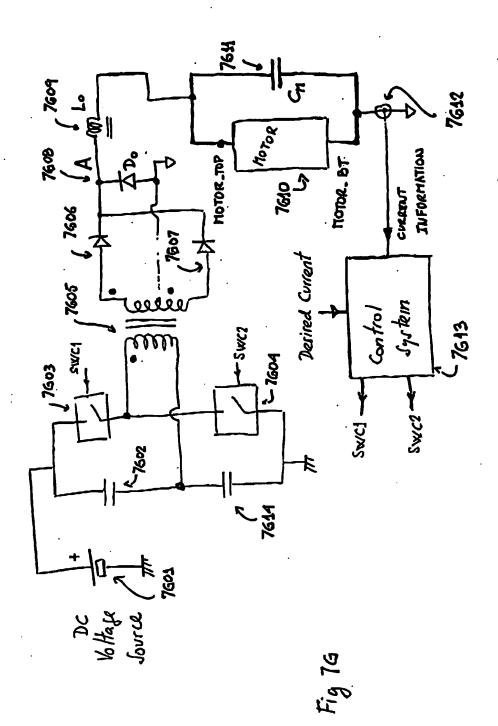


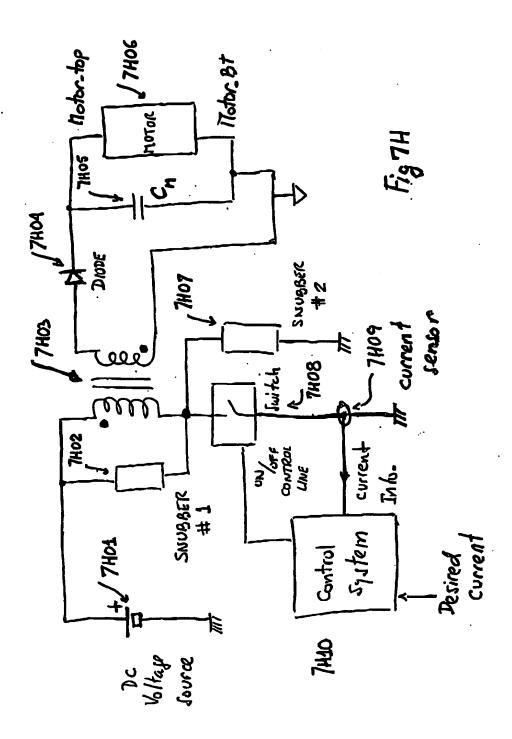
Fig 7C With Synchronous rectification

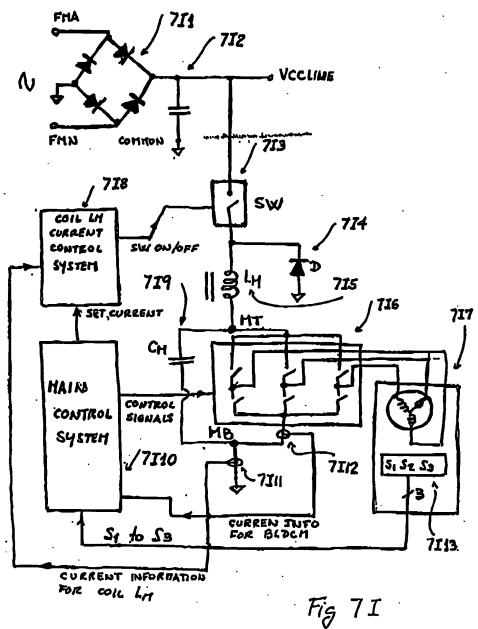


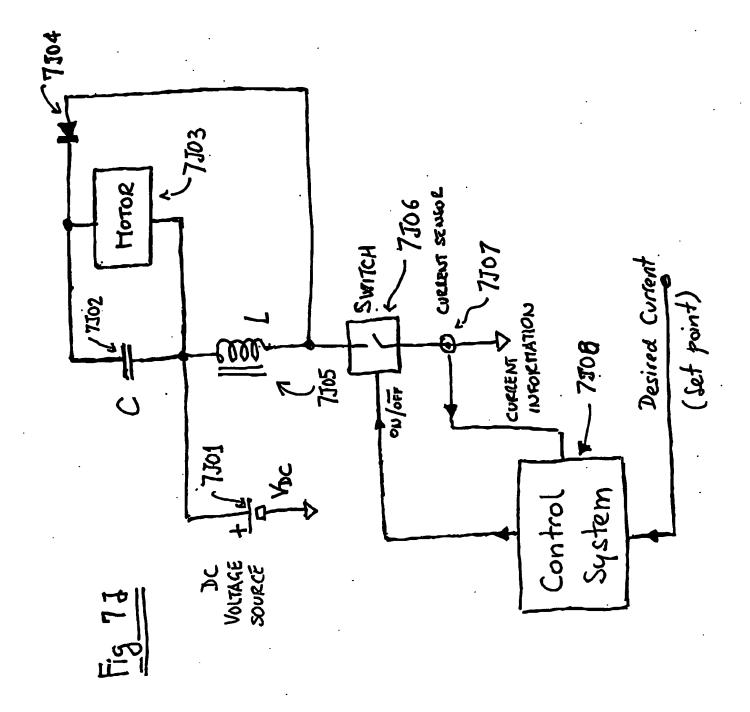


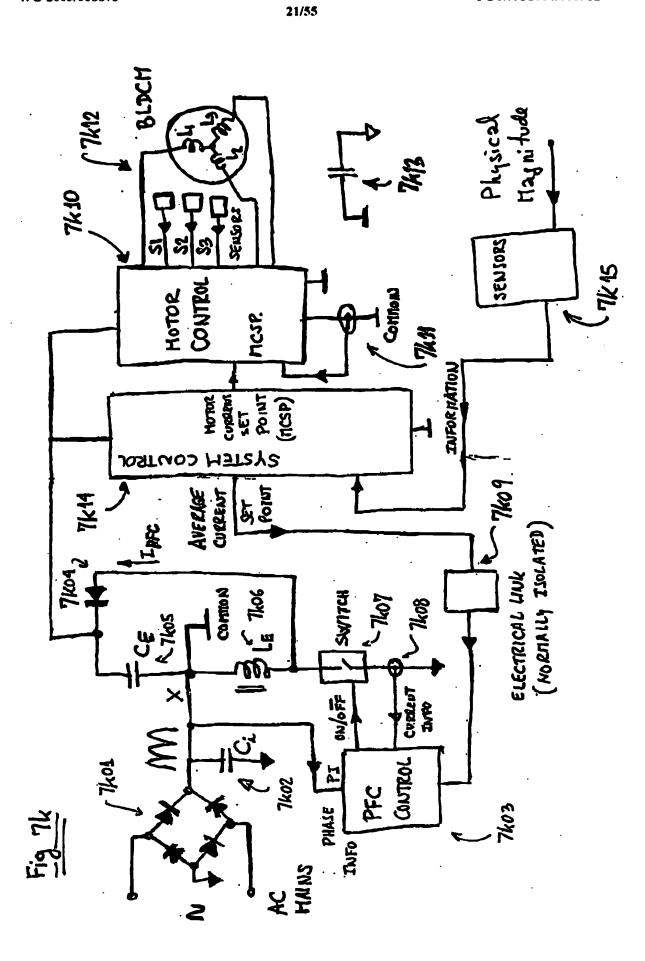


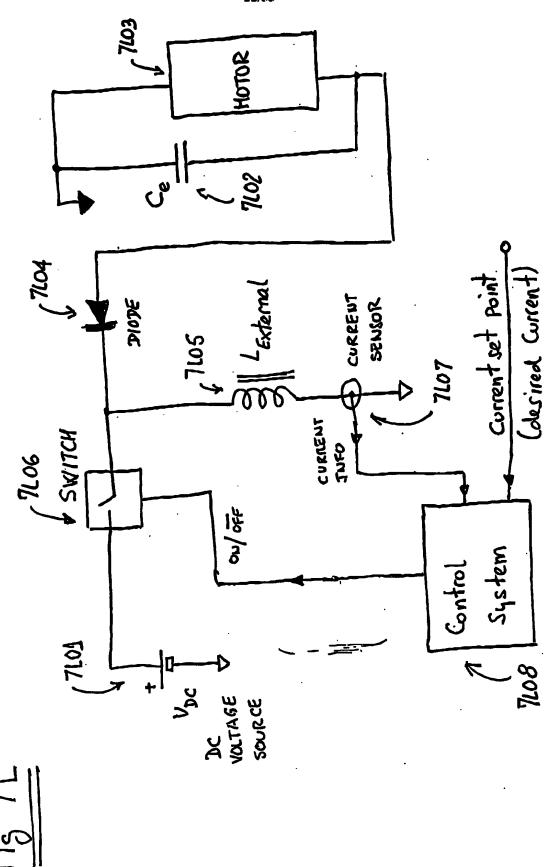


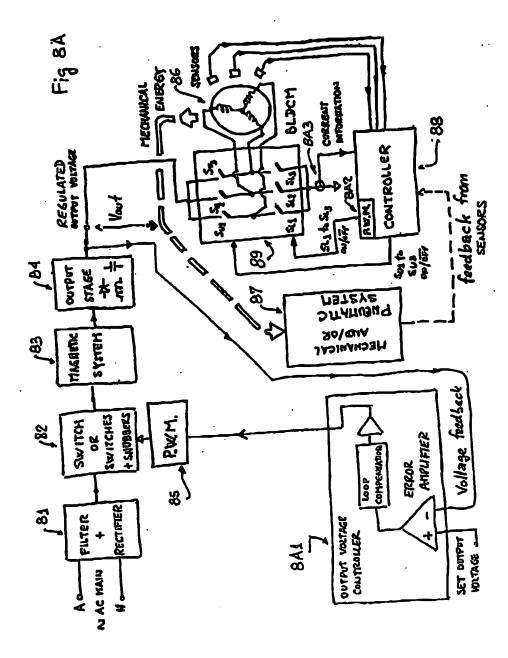


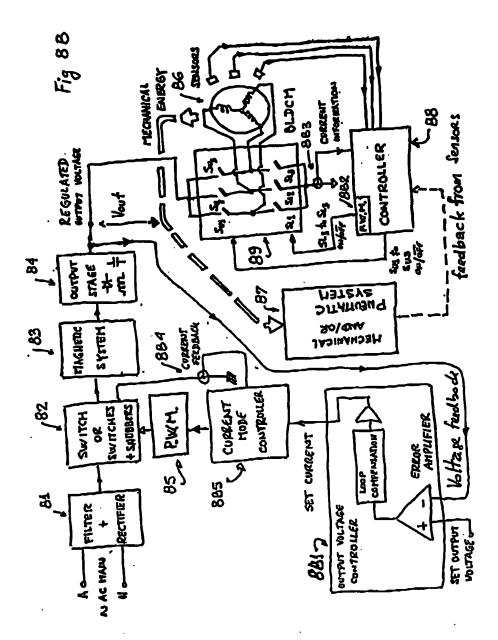


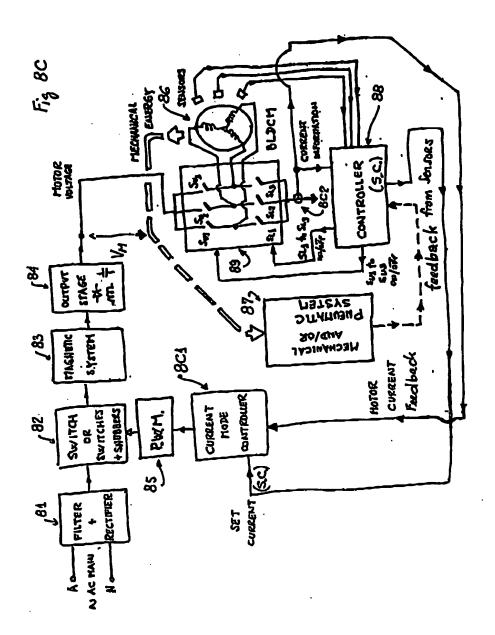


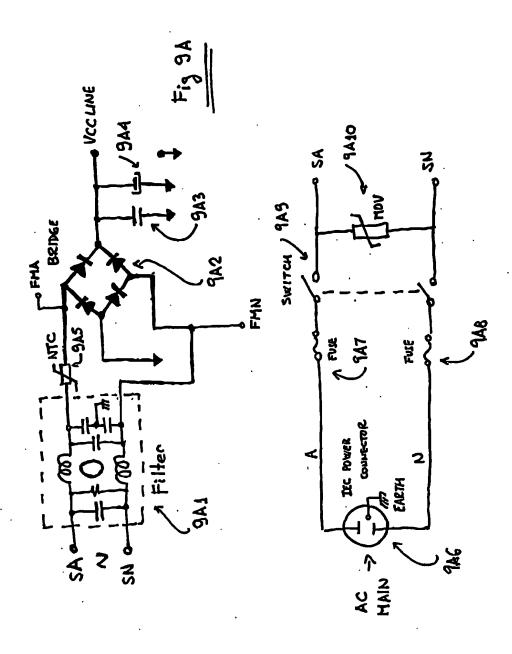


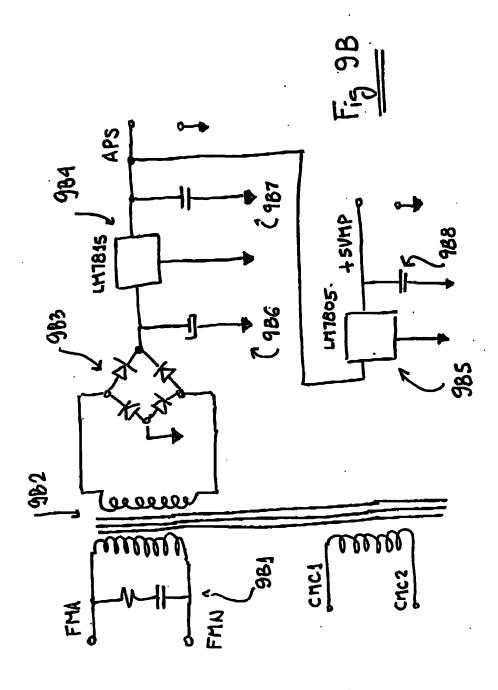


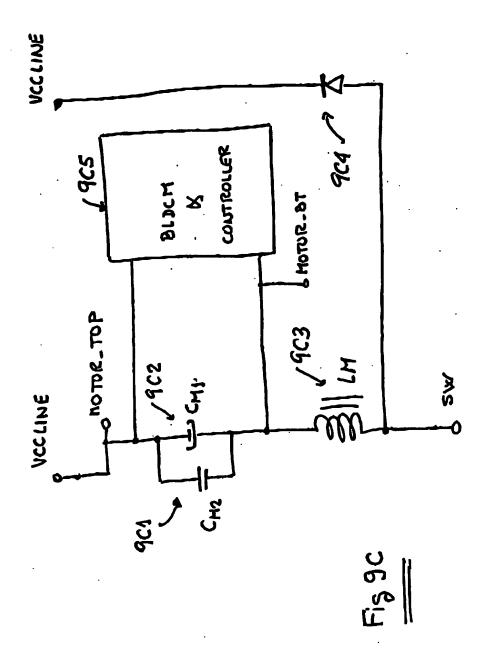


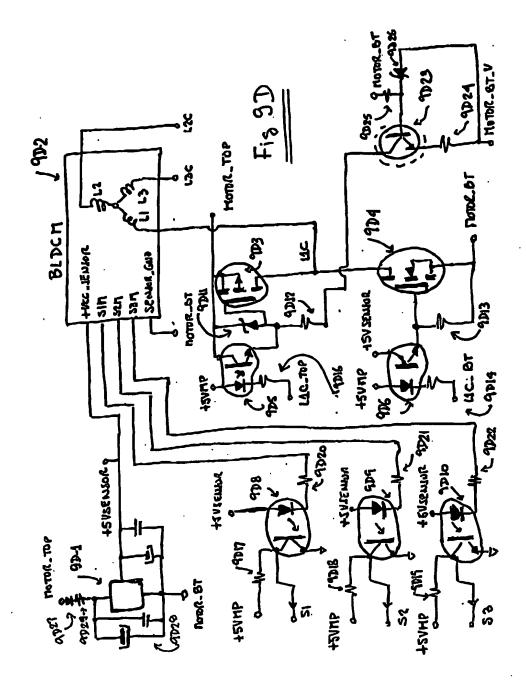


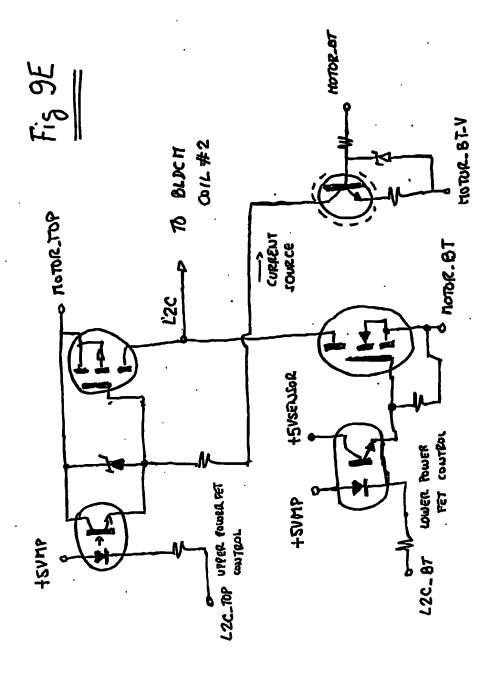


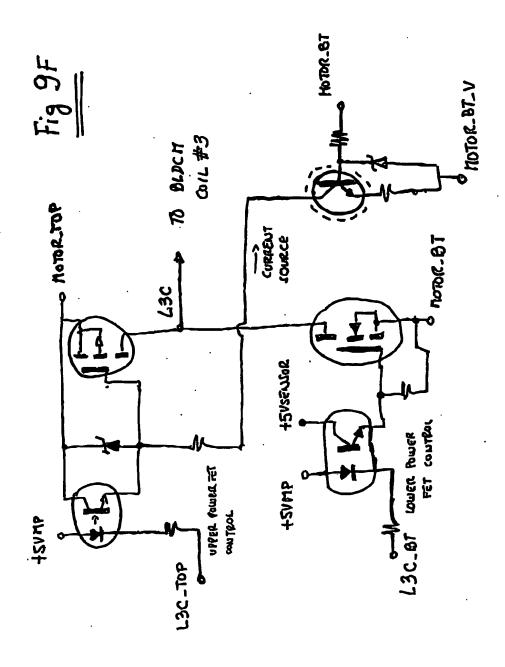


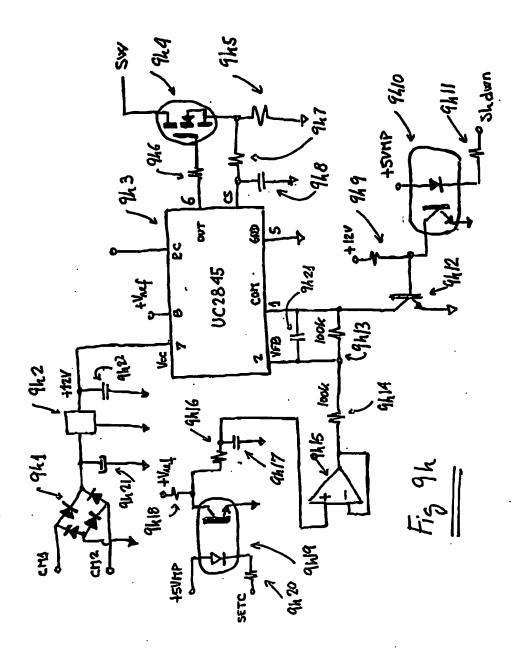


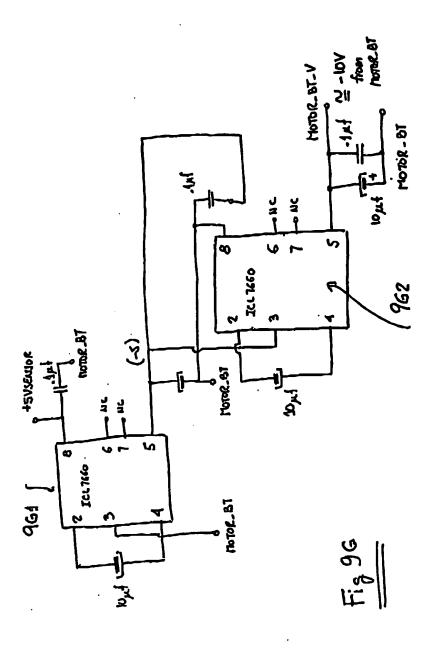


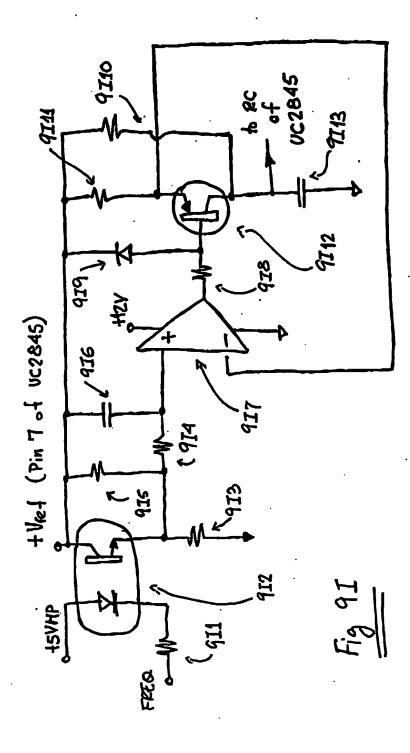


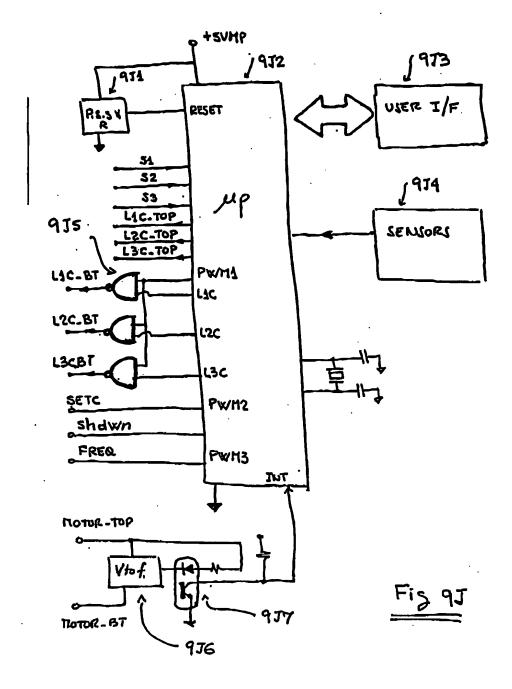


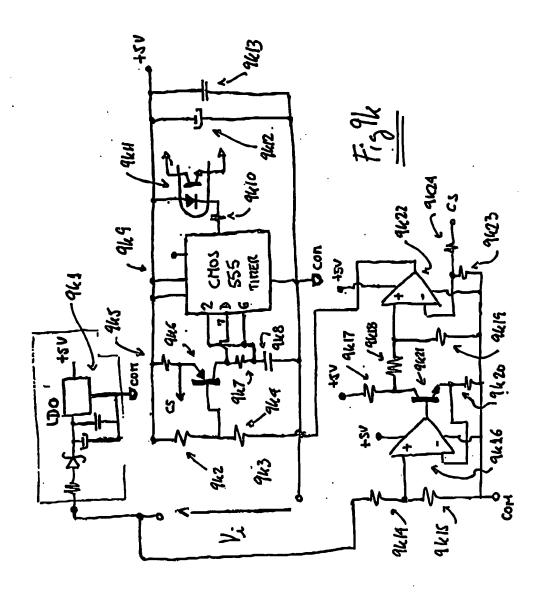


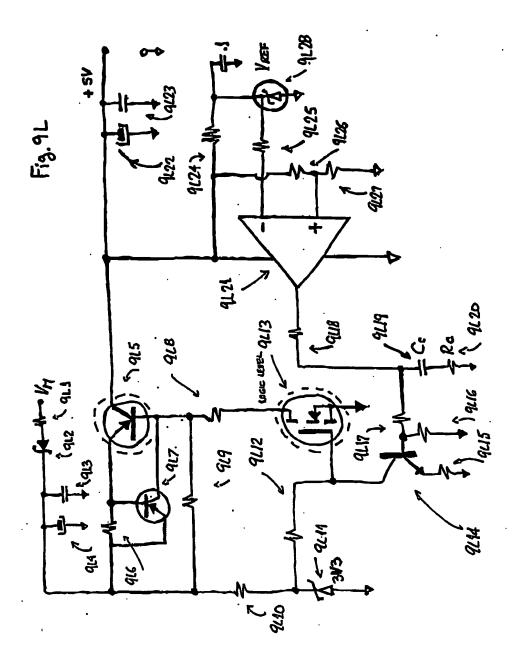


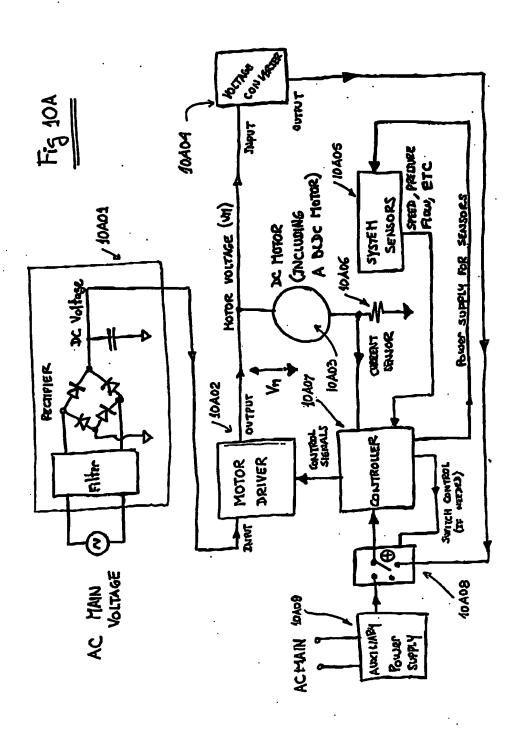


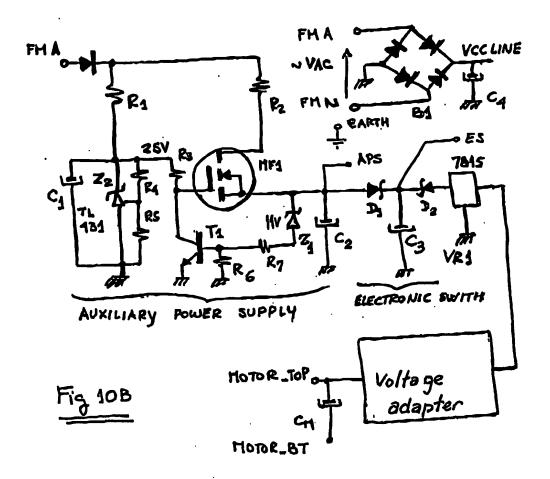


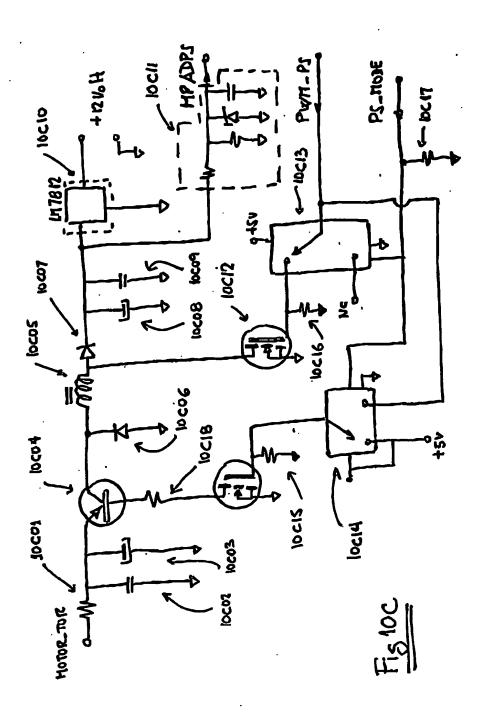


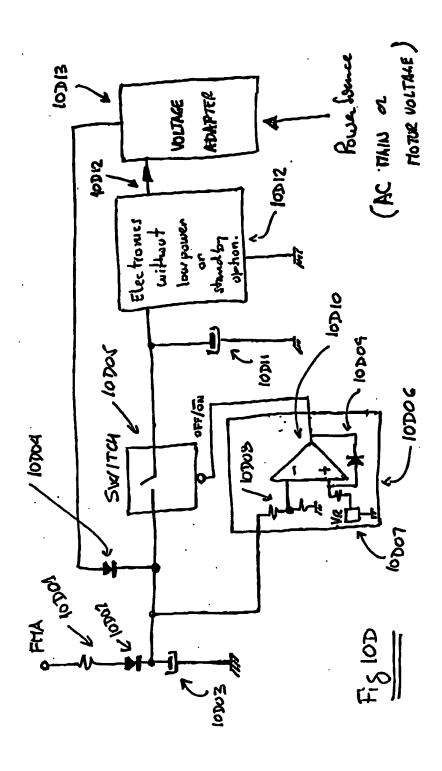


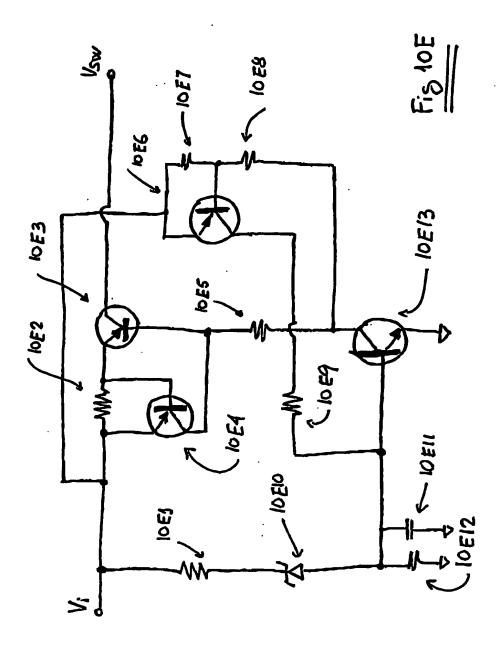


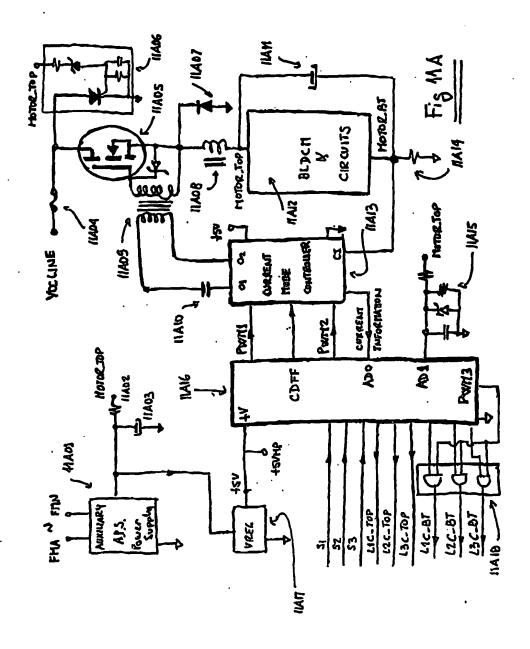


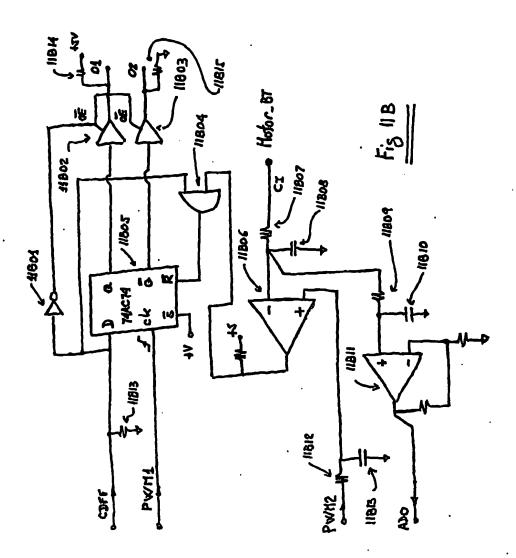


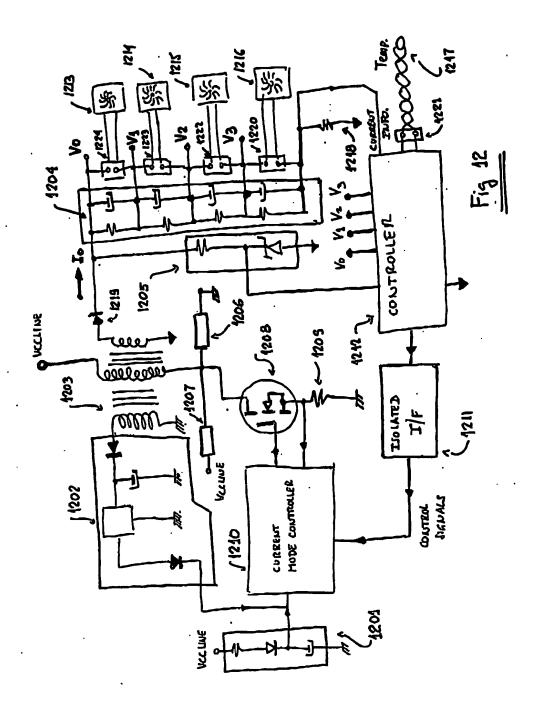


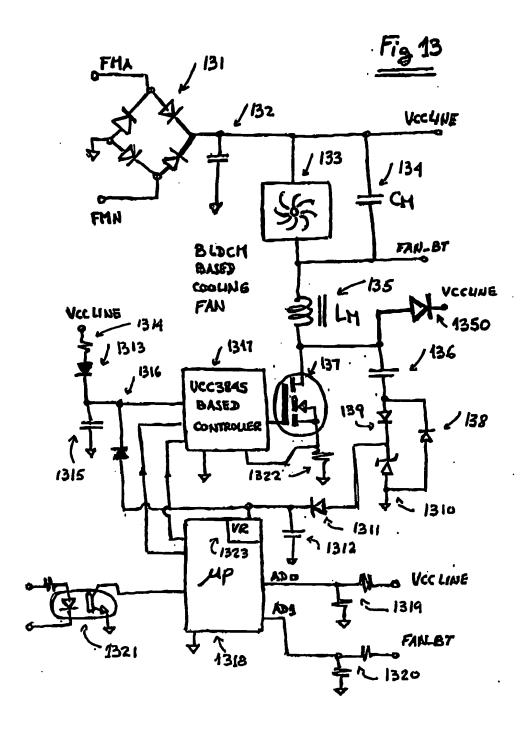


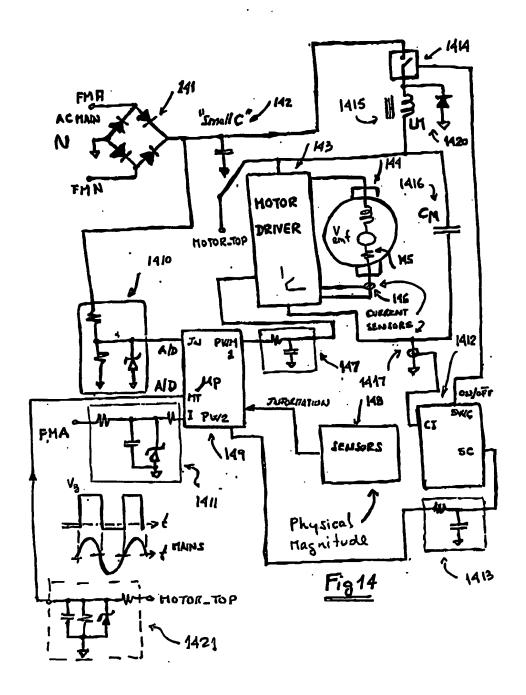


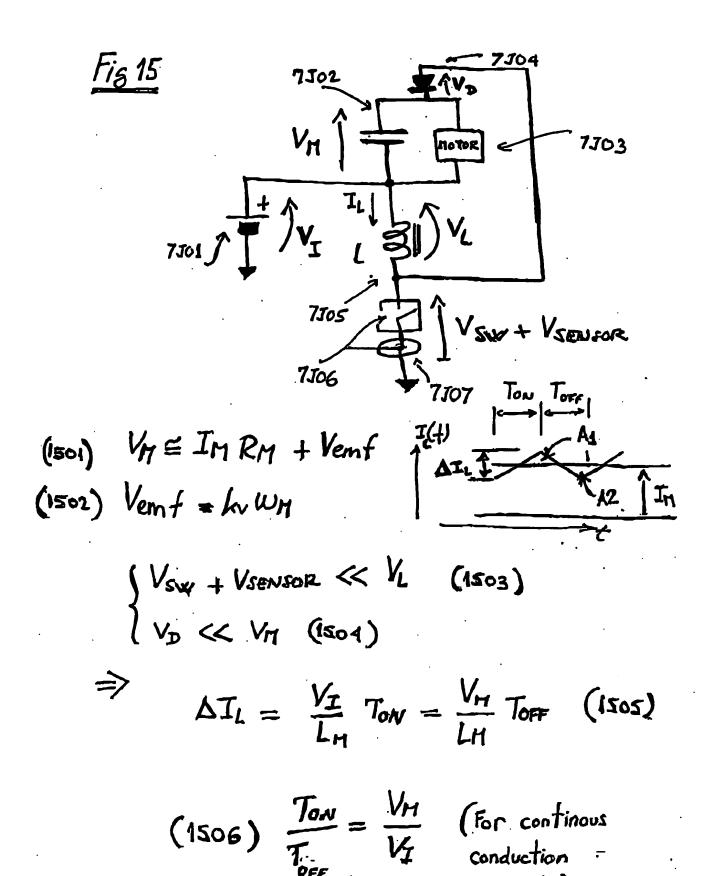


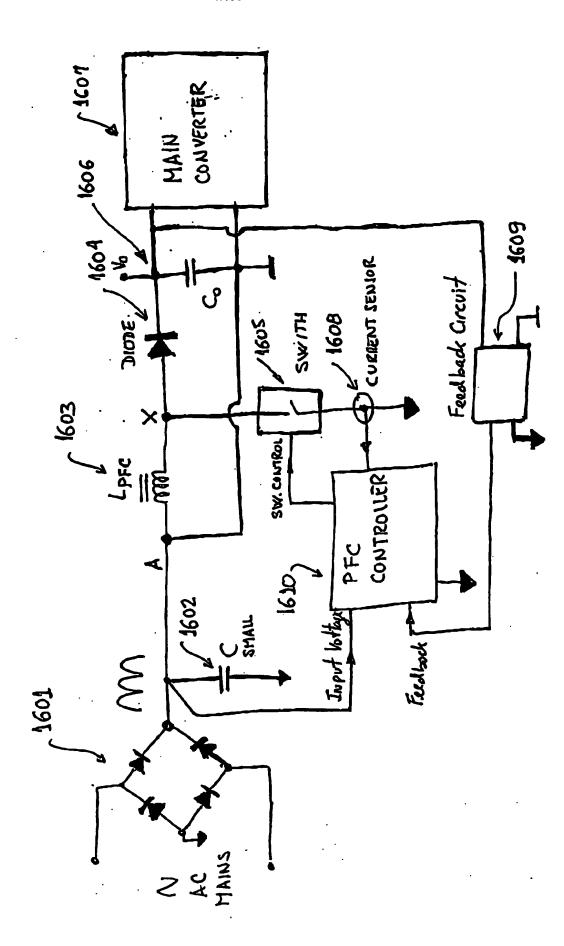




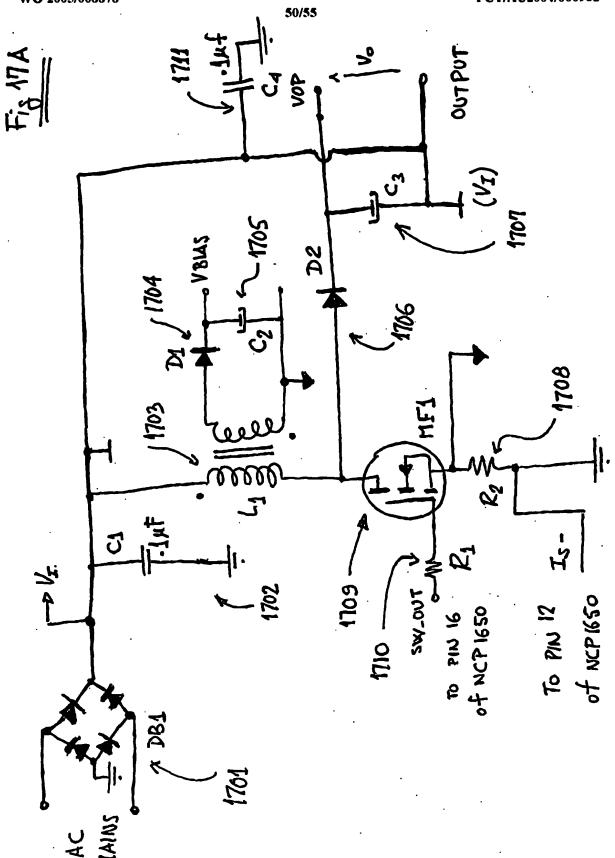




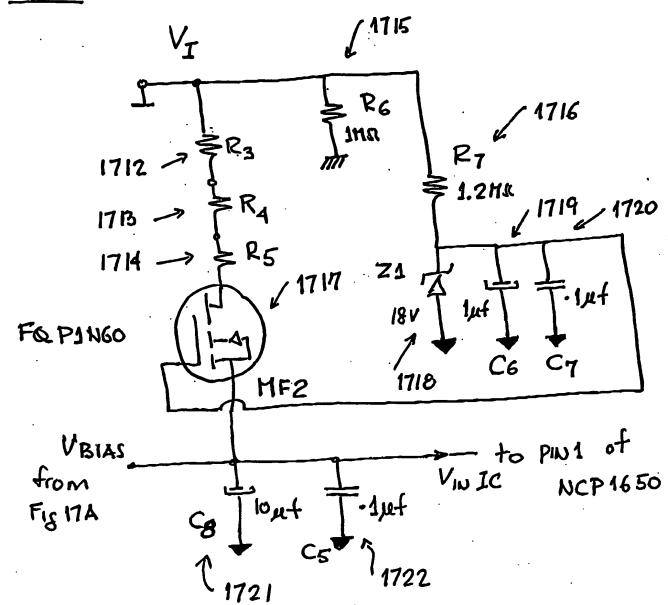


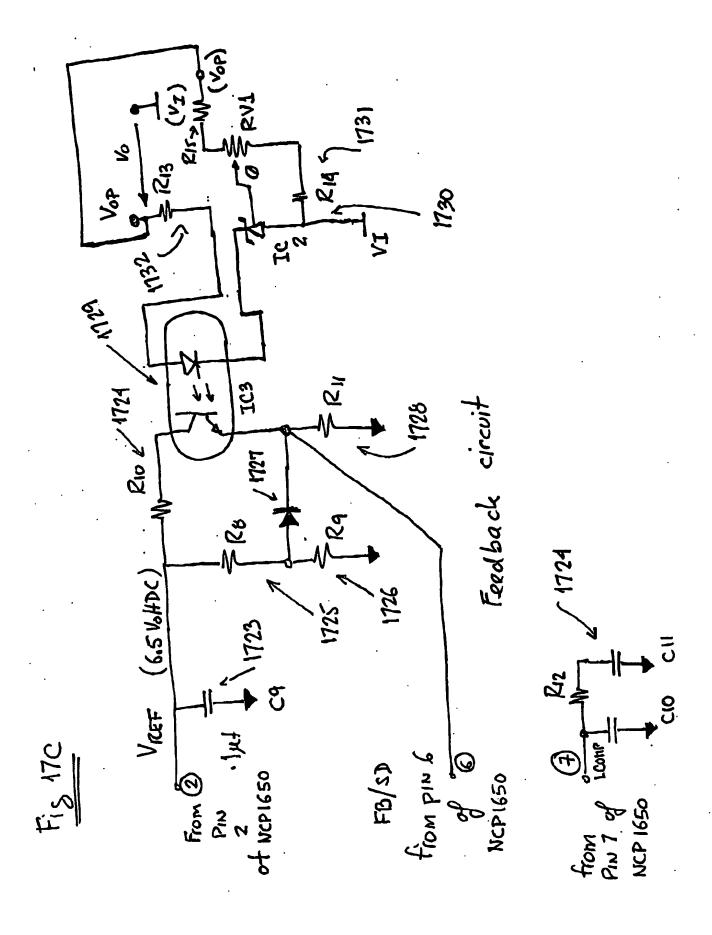


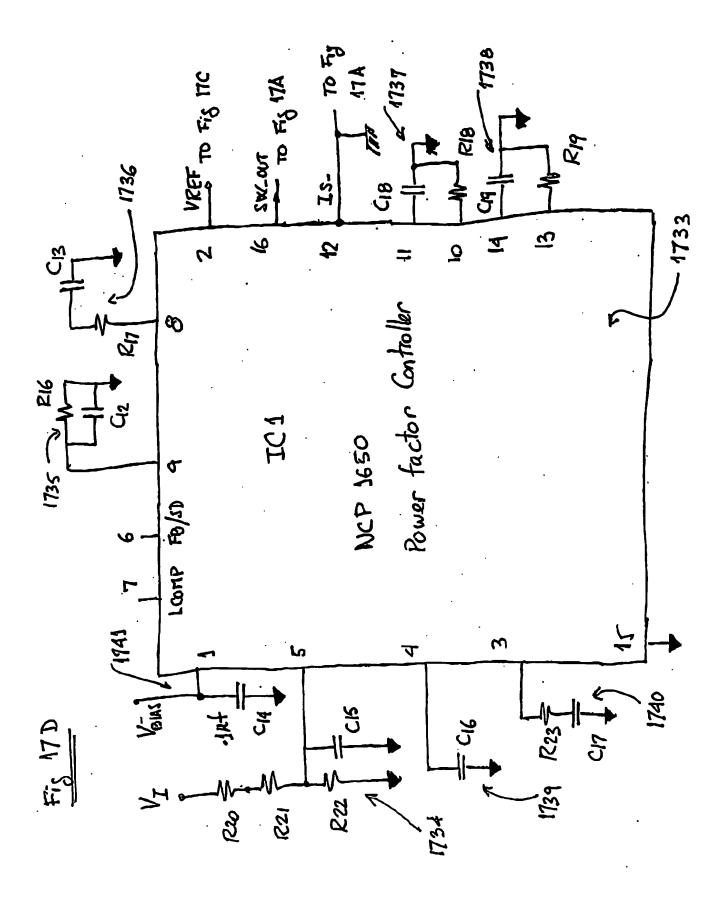
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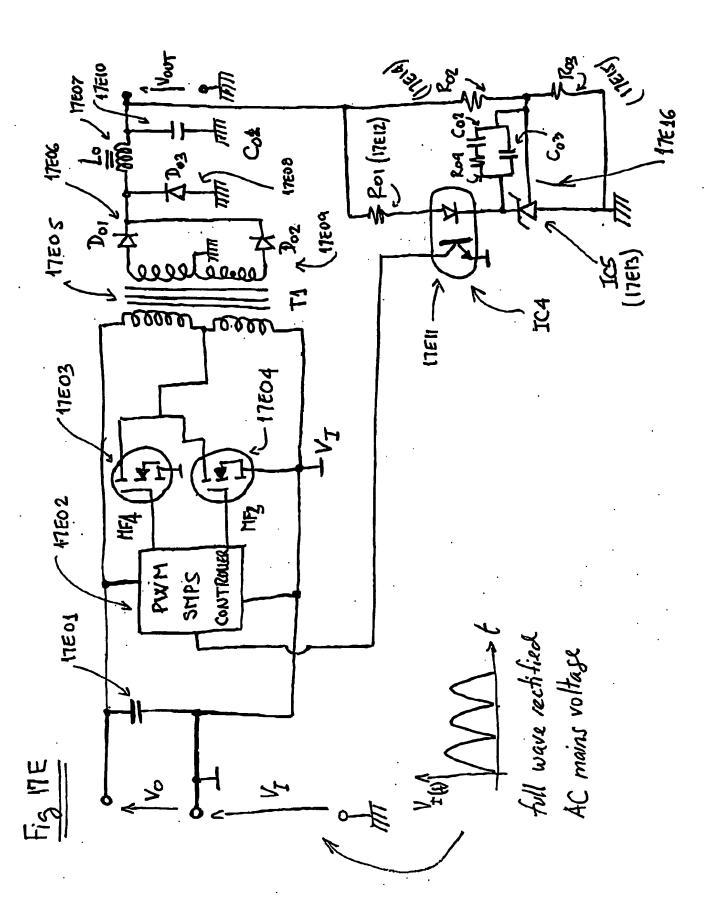


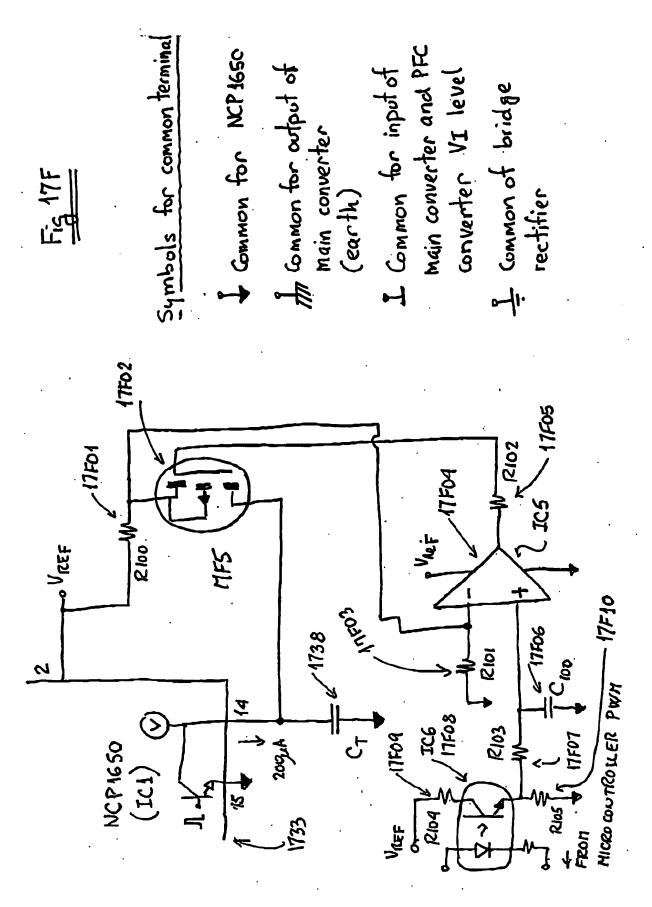
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